

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of :
Mark CARNALL : **KARABINERS**
Serial No. Not Yet Assigned :
Filed Concurrently Herewith :

Pittsburgh, Pennsylvania
August 3, 2001

PRELIMINARY AMENDMENT

BOX PATENT APPLICATION
Commissioner for Patents
Washington DC 20231

Sir:

Prior to initial examination, please amend the above-identified patent application as follows:

IN THE SPECIFICATION:

Please insert and amend section headings as follows. (Pursuant to 37 CFR 1.121.)

On page 1, please delete the section heading "TITLE: Karabiners" and insert the following:

KARABINERS

On page 1, before the first complete paragraph, please delete the section heading "DESCRIPTION" and insert the section headings as follows:

BACKGROUND OF THE INVENTION

1. Field of the Invention

On page 1, after the first complete paragraph, please insert the section heading as follows:

2. Description of the Related Art

On page 1, after the fourth complete paragraph, please insert the section heading as follows:

SUMMARY OF THE INVENTION

On page 5, before the first complete paragraph, please insert the section heading as follows:

BRIEF DESCRIPTION OF THE DRAWINGS

On page 5, before the paragraph bridging pages 5 and 6, please insert the section heading as follows:

DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENTS

IN THE CLAIMS:

Please cancel the previous versions of Claims 1-28 and insert the amended versions as follows. (Pursuant to 37 CFR 1.121, marked-up versions of these claims are attached.)

1. (Amended) A karabiner comprising a generally C-shaped body having free ends curved towards each other and forming a gap therebetween, and a gate for closing the gap, the gate being formed of a wire member shaped and located on one free end of the body, such that the gate is constrained to close the gap and an other free end of the body having a slot for receiving a shaped end of the gate.

2. (Amended) The karabiner as claimed in claim 1, wherein the gate is formed by the wire that is bent double and has each free end further bent inwards towards the other to locate in a different hole on opposite sides of the one free end of the body, one hole being above the other.

3. (Amended) The karabiner as claimed in claim 2, wherein from the one free end of the body, the two strands of the wire are bent towards each other to approximately a mid-point of the gate until they overlap in a plane of the body.

4. (Amended) The karabiner as claimed in claim 1, wherein at the other free end the gate is shaped by bending of the wire to form the shaped end.

5. (Amended) The karabiner as claimed in claim 4, wherein the end of the gate is bent over sideways.

6. (Amended) The karabiner as claimed in claim 4, wherein a loop at the end of the gate is enlarged.

7. (Amended) The karabiner as claimed in claim 2, wherein a loop formed where the wire is bent double has a shaped nut that can locate in the slot of the other free end of the body.

8. (Amended) The karabiner as claimed in claim 1, wherein a shaped nut is slid onto the gate.

9. (Amended) The karabiner as claimed in claim 1, wherein the slot has from the other end of the body a first narrow part to accommodate the wire gate leading to a wider second part to accommodate the shaped end of the gate.

10. (Amended) The karabiner as claimed in claim 9, wherein a ledge is provided between the wide and narrow parts of the slot.

11. (Amended) The karabiner as claimed in claim 10, wherein the ledge is in a plane substantially normal to a longitudinal axis of the gate.

12. (Amended) The karabiner as claimed in claim 1, wherein one of the gate and the other end of the body carry additional locking means for when the gate is closed.

13. (Amended) The karabiner as claimed in claim 12, wherein a thimble is provided on the gate, the thimble can be moved up the gate to overlap at least partially the other end of the body.

14. (Amended) The karabiner as claimed in claim 13, wherein an outwardly screw threaded sleeve is provided on the gate and an internally screw threaded thimble is provided on the sleeve.

15. (Amended) The karabiner as claimed in claim 12, wherein a locking ring is mounted rotatably on the other end of the body, the ring having a slot therein, whereby in one position the gate can pass through the slot of the ring for its shaped end to locate in the slot of the other end of the body and then by rotating the ring, the slot therein is no longer accessible to the gate.

16. (Amended) The karabiner as claimed in claim 12, wherein the gate is provided with a slidable locking member.

17. (Amended) The karabiner as claimed in claim 16, wherein the locking member is slidable upwards when the gate is closed, the locking member having a finger that extends over the opposite side of the body to that of the slot opening to prevent the gate being pushed open.

18. (Amended) The karabiner as claimed in claim 12, having a locking pin that is insertable through the other free end of the body of the karabiner and into or through the end of the gate to prevent it being pushed open.

19. (Amended) The karabiner as claimed in claim 18, wherein the locking pin is on a flexible or spring-biased tab attached to the gate.

20. (Amended) The karabiner as claimed in claim 18, wherein the pin is rotatably mounted in the slot of the other free end of the body between a first position wherein a lip on the end of the pin can pass through a loop of the wire gate and a second position wherein the lip retains the loop of the gate in the slot.

21. (Amended) The karabiner as claimed in claim 1, wherein the slot of the other free end of the body faces inwards towards the body of the karabiner.

22. (Amended) The karabiner as claimed in claim 1, wherein the slot is on the side of the other free end of the body.

23. (Amended) The karabiner as claimed in claim 1, wherein the slot is shaped with a part that interengages with a loop of the wire gate.

24. (Amended) A karabiner comprising a generally C-shaped body having free ends curved towards each other and forming a gap therebetween and a spring-biased gate for closing the gap located on one free end of the body and the other free end having a wire cage thereon for receiving the gate.

25. (Amended) A karabiner comprising a generally, C-shaped body having free ends curved towards each other and forming a gap therebetween and a spring-biased gate for closing the gap located on one free end of the body and means for locking the gate in a closed position.

26. (Amended) The karabiner as claimed in claim 25, wherein the locking means is a slidable locking member.

27. (Amended) The karabiner as claimed in claim 26, wherein the locking member is slidable upwards on the gate and has a finger to extend over an opposite side of the body to that of the direction of opening of the gate.

28. (Amended) The karabiner as claimed in claim 25, wherein a locking pin is provided on a flexible or spring-biased tab attached to the gate, which pin can be inserted through a hole in an other free end of the karabiner body and into a slot of the gate when closed.

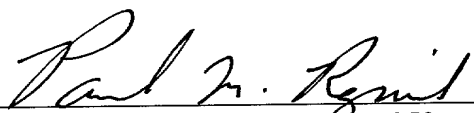
REMARKS

The specification has been amended to place the application in conformance with standard United States Patent practice. Original claims 1-28 have been amended to bring the claims in conformance with standard United States Patent practice.

Examination and allowance of claims 1-28 are respectfully requested.

Respectfully submitted,

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MARKED-UP AMENDED SECTION HEADINGS

Page 1, first section heading

[TITLE: Karabiners]

KARABINERS

Page 1, second section heading

[DESCRIPTION]

BACKGROUND OF THE INVENTION

1. Field of the Invention

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7. (Amended) [A] The karabiner as claimed in claim [1] 2, wherein [the] a loop formed where the wire is bent double has a [captures a] shaped nut that can locate in the slot of the other free end of the body.

8. (Amended) [A] The karabiner as claimed in claim 1, wherein a shaped nut is slid onto the gate.

9. (Amended) [A] The karabiner as claimed in claim 1, wherein the slot has from the [free] other end of the body a first narrow part to accommodate the wire gate leading to a wider second part to accommodate the shaped end of the gate.

10. (Amended) [A] The karabiner as claimed in claim 9, wherein a ledge is provided between the wide and narrow parts of the slot.

11. (Amended) [A] The karabiner as claimed in claim 10, wherein the ledge is in a plane substantially normal to a longitudinal axis of the gate.

12. (Amended) [A] The karabiner as claimed in claim 1, wherein one of the gate and the [free] other end of the body carry additional locking means for when the gate is closed.

13. (Amended) [A] The karabiner as claimed in claim 12, wherein a thimble is provided on the gate [that] , the thimble can be moved up the gate to overlap at least partially the [free] other end of the body.

14. (Amended) [A] The karabiner as claimed in claim 13, wherein an outwardly screw threaded sleeve is provided on the gate and an internally screw threaded thimble is provided on the sleeve.

15. (Amended) [A] The karabiner as claimed in claim 12, wherein a locking ring is mounted rotatably on the [free] other end of the body, the ring having a slot therein, whereby in one position the gate can pass through the slot of the ring for its shaped end to locate in the slot of the [free] other end of the body and then by rotating the ring, the slot therein is no longer accessible to the gate.

16. (Amended) [A] The karabiner as claimed in claim 12, wherein the gate is provided with a slidable locking member.

17. (Amended) [A] The karabiner as claimed in claim 16, wherein the locking member is slidable upwards when the gate is closed, the locking member having a finger [or the like] that extends over the opposite side of the body to that of the slot opening to prevent the gate being pushed open.

18. (Amended) [A] The karabiner as claimed in claim 12, having a locking pin that is insertable through the other free end of the body of the karabiner and into or through the end of the gate to prevent it being pushed open.

19. (Amended) [A] The karabiner as claimed in claim 18, wherein the locking pin is on a flexible or spring-biased tab attached to the gate.

20. (Amended) [A] The karabiner as claimed in claim 18, wherein the pin is rotatably mounted in the slot of the other free end of the body between a first position wherein a lip on the end of the pin can pass through a loop of the wire gate and a second position wherein the lip retains the loop of the gate in the slot.

21. (Amended) [A] The karabiner as claimed in claim 1, wherein the slot of the other free end of the body faces inwards towards the body of the karabiner.

22. (Amended) [A] The karabiner as claimed in claim 1, wherein the slot is on the side of the other free end of the body.

23. (Amended) [A] The karabiner as claimed in claim 1, wherein the slot is shaped with a part that interengages with a loop of the wire gate.

24. (Amended) A karabiner comprising a generally C-shaped body [with its free-ends] having free ends curved towards each other and forming a gap therebetween and a spring-biased gate for closing the gap located on one free end of the body and the other free end having a wire cage thereon for receiving the gate.

25. (Amended) A karabiner comprising a generally, C-shaped body [with its] having free ends curved towards each other and forming a gap therebetween and a spring-biased gate for closing the gap located on one free end of the body and means for locking the gate in a closed position.

26. (Amended) [A] The karabiner as claimed in claim 25, wherein the locking means is a slidable locking member.

